

**IN THE CLAIMS:**

Please substitute amended claims 1 and 9 for pending claims 1 and 9, as follows:

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1. (Amended) A method for processing multiple structured images using an imaging input device with a smart platen so as to reduce bleeding of edges of multiple digital images arranged upon the smart platen by determining the boundaries of each of the multiple digital images, comprising:  
generating bin lists with greater than three edge points therein;  
detecting a boundary of a first image from the bin list;  
detecting a boundary of a second image from the bin list;  
determining an overlap between the detected boundaries of the first image and second images; and,  
modeling a third image from the calculated overlap of the first and second images wherein the third image contains at least said first and second images and represents a depiction of said first and second images without an overlap between said first and second images.

9. (Amended) A method for processing multiple structured images using an imaging input device with a smart platen so as to reduce bleeding of contour edges of multiple digital images arranged upon the smart platen by generating an object defined by contour edges of particular sets of the multiple digital images, comprising:

generating bin lists with greater than three edge points therein;

detecting a set of edges of a first object from the bin list;

detecting a set of edges of a second object from the bin list;

determining an overlap between the detected set of edges of the first and second objects;

calculating the overlap between the set of edges of the first and second objects; and,

modeling a third object by ascertaining the calculated overlap of the first and second objects wherein the third object contains at least said first and second objects without an overlap of the set of edges of the first and second objects.